

Overview of Alternative Fuels Use in Minnesota

*Jeff Buss, Minnesota Pollution
Control Agency*



Presentation Summary

- ❖ **Minnesota is a leader in renewable mandates for motor vehicle fuels: both E-10 and B-2.**
- ❖ **State vehicle fleets are subject to state and federal alternative fuel mandates.**
- ❖ **Alternative fueling stations offering E-85 fuel number nearly 200 – leading the nation.**
- ❖ **Minnesota is pursuing the use of E-20 by 2013.**

Minnesota's Ethanol Mandate



E-10 was required to reduce CO emissions and meet federal air quality standards.

Minnesota consumes about 275 million gallons of ethanol for motor fuel each year.

Ethanol accounts for 15% of the state's corn crop.

Minnesota's Biodiesel Requirement

Minn. Stat. Sec. 239.77 states “all diesel fuel sold or offered for sale in Minnesota for use in internal combustion engines must contain at least 2.0 percent bio-diesel fuel oil by volume.”

Except:

- (1) motors located at an electric generating plant regulated by the NRC;**
- (2) railroad locomotives; and**
- (3) off-road taconite and copper mining equipment**

Executive Order 04-10 codified at Minnesota Statutes 16C.137

Using 2005 as a baseline, the State of Minnesota shall reduce the use of gasoline by on-road vehicles owned by state departments by 25 percent by 2010 and by 50 percent by 2015, and the use of petroleum-based diesel fuel by those vehicles 10 percent by 2010 and 25 percent by 2015.

E-85 Use in Minnesota



- ❖ There are over 600 E-85 stations in the US and nearly 200 in Minnesota.
- ❖ E-85 can be used in “flexible fuel” vehicles – numbering more than 100,000 in the state.
- ❖ E-85 fuel consumption was 8 million gallons in 2005.

Future Alternative Fuel Initiatives

Minnesota Session Laws Chapter 52 (2005) provides for an E-20 mandate beginning August 30, 2013, unless one of the following happens by December 31, 2010:

- ❖ The Commissioner of Agriculture certifies that 20% of motor fuel sales consists of ethanol; or**
- ❖ US EPA denies a waiver for the use of E-20.**

For More Information . . .

**[http://www.pca.state.mn.us/
air/mvpollution.html](http://www.pca.state.mn.us/air/mvpollution.html)**

**Jeff Buss
jeff.buss@pca.state.mn.us**

651- 297- 8659

